Proposed Recovery Plan For Lake Ozette Sockeye Salmon

(Oncorhynchus nerka)



April 14, 2008

NOAA's National Marine Fisheries Service Northwest Regional Office Salmon Recovery Division



DISCLAIMER

Recovery plans delineate such reasonable actions as may be necessary, based upon the best scientific and commercial data available, for the conservation and survival of listed species. Plans are published by the National Marine Fisheries Service (NMFS), sometimes prepared with the assistance of recovery teams, State agencies, contractors, and others. Recovery plans do not necessarily represent the views, official positions, or approval of any individuals or agencies involved in the plan formulation, other than the NMFS. They represent the official position of NMFS only after they have been signed by the Northwest Regional Administrator. Recovery Plans are guidance and planning documents only; identification of an action to be implemented by any public or private party does not create a legal obligation beyond existing legal requirements. Nothing in this plan should be construed as a commitment or requirement that any Federal agency obligate or pay funds in any one fiscal year in excess of appropriations made by Congress for that fiscal year in contravention of the Anti-Deficiency Act, 31 U.S.C. 1341, or any other law or regulation. Approved recovery plans are subject to modification as dictated by new information, changes in species status, and the completion of recovery actions.

Additional copies may be obtained from:

National Marine Fisheries Service Salmon Recovery Division 1201 NE Lloyd Blvd., Suite 1100 Portland, Oregon 97232-1274 (503) 230-5418

The proposed recovery plan can be downloaded via the Internet at:

http://www.nwr.noaa.gov/Salmon-Recovery-Planning/ESA-Recovery-Plans/Draft-Plans.cfm

Acknowledgments

The proposed Lake Ozette Sockeye Salmon Recovery Plan represents many years of intense effort by many individuals from multiple disciplines, far too many to acknowledge and thank individually; however, special recognition is deserved by consultant Mike Haggerty, who served as the primary author of the plan. We would like to thank the Lake Ozette Steering Committee for its input, support, and guidance throughout the planning process. Steering Committee members provided valuable comments during three previous draft versions of the recovery plan. In addition, the Puget Sound Technical Recovery Team was instrumental in providing a sound science foundation for the plan, as well as reviewing and commenting on earlier draft versions. And we thank the five biologists who co-authored the draft *Limiting Factors Analysis*, which provides essential information for designing recovery actions and monitoring.

Contributing Authors – Recovery Plan:

Mike Haggerty – Haggerty Consulting
Rosemary Furfey – National Marine Fisheries Service
Molly Hollenbach – National Marine Fisheries Service
Thom Hooper – National Marine Fisheries Service
Matthew Longenbaugh – National Marine Fisheries Service
Mark Plummer – Northwest Fisheries Science Center
Blake Trask – Triangle Associates
Tim Tynan – National Marine Fisheries Service
Robert Wheeler – Triangle Associates

NMFS gratefully acknowledges the following people who provided updated information or reviewed the plan: Ken Currens, Robert Fuerstenberg, Phil Miller, George Pess, Derek Poon, Kit Rawson, Andy Ritchie, Mary Ruckelshaus, and Norma Jean Sands. NMFS reviewers of the plan were: Elizabeth Gaar, Rob Walton, Laurie Beale, Susan Pultz and Naomi Lundberg.

Finally, the authors would like to recognize all those who have worked over the years to conserve Lake Ozette sockeye salmon. This proposed recovery plan builds on their dedication and their effort to preserve this species for the citizens of Washington and the nation.

Lake Ozette Steering Committee Members

Name Organization/Affiliation

Almond, Lyle Makah Fisheries Management

Barnes, Seth WA Department of Natural Resources

Baumann, Cheryl NOPLE (North Olympic Peninsula Lead Entity)

Bell, Harry Green Crow Bowen, Ed Ozette Citizen

Brenkman, Sam Olympic National Park Byrnes, Coleman Citizen and Property Owner

Christiansen, David WA Department of Natural Resources

Crain, Pat Olympic National Park

Eggleston, Cari Makah Fisheries Management

Furfey, Rosemary NOAA Fisheries, Salmon Recovery Division

Gilman, Jeremy Makah Fisheries Management

Haggerty, Mike Consultant

Hamerquist, Don Citizen, Pysht River

Hinton, Joe Makah Fisheries Management

Hooper, Thomas NOAA Fisheries

Knox, Randi Citizen and Private Landowner

Krueger, Katie Quileute Tribe, Environmental Att./Policy Analyst

Lear, Cathy Clallam County
Longenbaugh, Matt NOAA Fisheries

Low, David WA Department of Fish and Wildlife

MacIver, Ian Rayonier

Martin, Doug Martin Environmental Consultant

Miller, John Clallam County

Miller, Phil WA Governor's Salmon Recovery Office

Murray, Joseph Merrill and Ring (Forestry & Land Management)

Ness, Pat Citizen/Landowner

Northcut, Kris Quileute Tribe, Fisheries Biologist
Osborne, Rich North Pacific Coast Lead Entity
Peterschmidt, Caroline Former Makah Tribe Staff

Plummer, Mark NOAA Fisheries

Poon, Derek EPA Region 10, Regional Salmon Ecologist

Porter, Janeen Citizen

Rochelle, Jim Rochelle Env. Consulting

Sands, Norma Jean NOAA, Puget Sound TRT (PSTRT)

Schaaf, Norm Merrill and Ring

Shaffer, Ann WA Department of Fish and Wildlife

Shellberg, Jeff Former Makah Tribe Staff

Sims, Gary NOAA Fisheries

Snyder, Rob Lost Resort at Lake Ozette

Springer, Jim WA Department of Natural Resources

Svec, Russell Makah Fisheries
Trask, Blake Triangle Associates
Tynan, Tim NOAA Fisheries

Vaughan, Al WA Department of Natural Resources

Voner, Al Olympic National Park

Wheeler, Bob Triangle Associates, facilitator

Puget Sound Technical Recovery Team

Mary Ruckelshaus Norma Jean Sands Ken Currens William Graeber Kit Rawson Robert Fuerstenberg Jim Scott

Authors – Lake Ozette Sockeye Limiting Factors Analysis Mike J. Haggerty Andrew C. Ritchie Jeffrey G. Shellberg Michael J. Crewson Jyrki Jalonen